

Special Issue

Application of Econometrics in Agricultural Production

Message from the Guest Editor

This Special Issue aims to rebuild and extend the approach to agricultural production analysis by including econometric methods for: (a) developing a new paradigm for agricultural production analysis that acknowledges and models the relevance of the combined economic and agronomic aspects of the production processes; (b) defining output and input demand and supply in agricultural production from a technical perspective, with the use of production function/or production frontier models; (c) understanding agricultural market exchange and market distortions and failures from a quantitative perspective. The theory and approach developed and applied should also be used to address aspects of environmental and economic sustainability of agricultural production and should provide sound and firm strategy/policy design context and applicability. **Keywords**

- econometric analysis
- agricultural production
- production functions
- production frontier
- production input
- production output
- demand and supply functions
- market equilibria
- market failures
- sustainability

Guest Editor

Dr. Laura Onofri

Department of Land, Environment, Agriculture and Forestry (TESAF),
University of Padua, 35122 Padova, Italy

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Agriculture
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agriculture@mdpi.com

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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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Prof. Dr. Les Copeland

Sydney Institute of Agriculture, School of Life and Environmental Sciences, The University of Sydney, Sydney, NSW 2006, Australia

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